



Docket No. 55567

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: C. Willkens  
SERIAL NO.: 10/090,468 EXAMINER: J. Jeffrey  
FILED: March 4, 2002 GROUP: 3742  
FOR: CERAMIC IGNITERS

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Applicant files herewith a Request for Continuing Examination (RCE). Please amend the above-identified application as follows.

A listing of pending claims begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

16/25/2004 JBALINAH 00000100 10090468

12 FC:1253

950.00 DP

1202-(9) \$160.00

C. Willkens  
U.S.S.N. 10/090,468  
Page 10

It is believed the application is in condition for immediate allowance, which action is earnestly solicited.

Respectfully Submitted,

A handwritten signature in black ink, appearing to be 'P. Corless', written over the typed name.

Peter F. Corless (Reg. 33,860)  
EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, MA 02205  
(617) 439-4444



2-18-05

3144  
\$

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Docket No. 55567

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** C. Willkens

**SERIAL NO.:** 10/090,468

**EXAMINER:** J. Jeffrey

**FILED:** March 4, 2002

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**AMENDMENT**

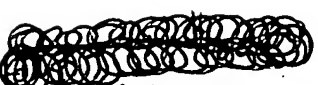
Applicant is receipt of the Office Action dated August 16, 2004. Please amend the above-identified application as follows.

A listing of pending claims begins on page 2 of this paper.

Remarks begin on page 7 of this paper.

03/18/2005 LFULTON 00000003 041105 10090468

01 FC:1202 200.00 DA

  
1202-(4) 200.00

It is not seen that a skilled worker would have had any particular incentive to select a single feature (hot zone length) of the cited igniter of the Willkens patent with a heat sink zone and insert that selected aspect into a distinct igniter that does not contain an interposed heat sink zone.

Moreover, while Applicant's fully believe that a *prima facie* case under 35 U.S.C. 103 is not presented by the cited combination of documents, it is also believed that the test data of record fully rebuts any *prima facie* case that may be contended to exist.

Thus, for instance, the comparative test results set forth in Dr. Yu's Rule 132 Declaration of record show that insufficient hot zone temperatures and time-to-temperature values can be provided where an igniter with a booster has a hot zone path length in excess of 2 cm. See Figures 1 and 2 of the Declaration.

In view thereof, reconsideration and withdrawal of the rejection is requested.

It is believed the application is in condition for immediate allowance, which action is earnestly solicited.

Respectfully submitted,



Peter F. Corless (Reg. 33,860)  
EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, MA 02205  
(617) 439-4444

PIPE JC107  
FEB 16 2005  
U.S. TRADEMARK OFFICE

# AMENDMENT TRANSMITTAL LETTER

Docket No.  
55567(72011)

Application No.  
10/090,468

Filing Date  
March 4, 2002

Examiner  
J. A. Jeffery

Art Unit  
3742

Applicant(s): Craig A. Willkens

Invention: CERAMIC IGNITERS

## TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims		- 20 =		X	
Independent Claims		- 3 =		X	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): Extension for response within third month					1,020.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					1,020.00

☒ Large Entity

☐ Small Entity

☐ No additional fee is required for this amendment.

☒ Please charge Deposit Account No. 04-1105 in the amount of \$ 1,020.00.  
A duplicate copy of this sheet is enclosed.

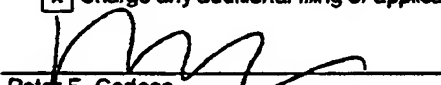
☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized to charge and credit Deposit Account No. 04-1105  
as described below. A duplicate copy of this sheet is enclosed.

☒ Credit any overpayment.

☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.

  
Peter F. Corless  
Attorney Reg. No.: 33,860

Dated: February 16, 2005

EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, Massachusetts 02205  
(617) 439-4444

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV517932194US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: February 16, 2005

Signature:  (Peter F. Corless)

# PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2001

Application or Docket Number

101090468

## CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	19	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	20 minus 20 =	*
INDEPENDENT CLAIMS	2 minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT <input checked="" type="checkbox"/>		

\* If the difference in column 1 is less than zero, enter "0" in column 2

## CLAIMS AS AMENDED - PART II

6/23/4

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 29	Minus ** 20	= 9
Independent	* 2	Minus *** 3	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

2/16/5

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 33	Minus ** 29	= 4
Independent	* 2	Minus *** 3	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	FEE		RATE	FEE
BASIC FEE	370.00	OR	BASIC FEE	740.00
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL		OR	TOTAL	740.00

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	162
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	162.00

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	50
X42=		OR	X84=	200.00
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	200.00

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.